

Title (en)

LOW PROFILE SUPPORT FRAME AND RELATED INTRALUMINAL MEDICAL DEVICES

Title (de)

STÜTZRAHMEN MIT NIEDRIGEM PROFIL UND ZUGEHÖRIGE INTRALUMINALE MEDIZINISCHE VORRICHTUNGEN

Title (fr)

CADRE DE SUPPORT À SECTION BASSE ET DISPOSITIFS MÉDICAUX INTRALUMINAUX AFFÉRENTS

Publication

EP 3610833 A1 20200219 (EN)

Application

EP 19201681 A 20100224

Priority

- US 15485609 P 20090224
- EP 10706443 A 20100224
- US 2010025245 W 20100224

Abstract (en)

A low profile support frame for use as an, or in an, expandable intraluminal medical device includes first and second wire members that define arcuate paths having opposing curves and third and fourth wire members that define arcuate paths having opposing curves. Connectors join the wire members, and barbs can be disposed on the connectors. The support frame has radially compressed and radially expanded configurations. The first and third wire members intersect at a first intersection and the second and fourth wire members intersect at a second intersection. The support frame can be used as an intraluminal medical device by itself or as a component in a medical device that includes other components, such as a stent, prosthetic valve, occluder, or filter.

IPC 8 full level

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Citation (applicant)

US 98077007 P 20071017

Citation (search report)

- [A] US 2008046071 A1 20080221 - PAVCNIK DUSAN [US]
- [A] WO 2008127328 A1 20081023 - JAYARAMAN SWAMINATHAN [US]

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US 2010217381 A1 20100826; **US 8109990 B2 20120207**; EP 2405863 A1 20120118; EP 2405863 B1 20191113; EP 3610833 A1 20200219; EP 3610833 B1 20240529; US 2012130476 A1 20120524; US 2013289709 A1 20131031; US 2014155987 A1 20140605; US 8475516 B2 20130702; US 8652197 B2 20140218; US 9078748 B2 20150714; WO 2010099209 A1 20100902

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